

**REUTERIA CRAIGI: A NEW PLANT BUG FROM MISSOURI
(HETEROPTERA: MIRIDAE: ORTHOTYLINAE: ORTHOTYLINI)**

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Abstract.—*Reuteria craigi* is described as new from Missouri, where it occurs on sugar maple, *Acer saccharum* Marshall (Aceraceae). The male genitalia are illustrated. Henry's (1976) key is modified to incorporate the new species.

Members of *Reuteria* are characterized by black lines on each side of the 1st antennal segment which connect ventrally at the apex. They are small (3.7–4.7 mm), fragile, pale green, often with green blotches on the dorsum. *Reuteria* contains nine species; eight from eastern North America and one, *marqueti* Puton, from Europe.

Herein a new species of *Reuteria* is described and Henry's (1976) key is modified to incorporate it.

The following abbreviations are for institutions and collections cited in this paper: EMUM, Wilbur R. Enns Entomology Museum, University of Missouri, Columbia; NCSU, North Carolina State University, Raleigh, N.C.; RLB, Robert L. Blinn Collection; USNM, U.S. National Museum of Natural History, Washington, D.C. All measurements are in millimeters.

***Reuteria craigi*, new species**

Fig. 1

Diagnosis. Recognized immediately from congeners by the unique structure of the left paramere of the male. The left arm of the paramere is bifurcate and curved dorsad, as in *irrorata*, and the right arm is strongly curved apically, as in *wheeleri*.

Description. Holotype male: Length 4.00 (ranges of 9 paratypes and holotype, 3.95–4.30), width 1.33 (1.30–1.55). Dorsum: pale to white, marked with green; clothed with recumbent white or silvery pubescence. Head: width 0.63 (0.58–0.64), vertex 0.31 (0.31–0.33), tinged with green on clypeus and lorum. Rostrum: length 1.18 (1.13–1.25), reaching to middle of posterior coxae. Antennae: I, 0.38 (0.36–0.40), white, black lines stout; II, 1.25 (1.20–1.35), testaceous with narrow black annulus at base; III, 0.98 (0.96–1.00), testaceous; IV, 0.68 (0.54–0.68), testaceous. Pronotum: length 0.48 (0.45–0.50), width at base 0.94 (0.89–1.00), white, area of calli tinged with green. Hemelytra: translucent white, marked with green blotches on clavus and corium; scutellum and mesoscutellum white; outer margin of cuneus and apex of embolium tinged with green. Membrane: transparent, veins green. Venter: white.

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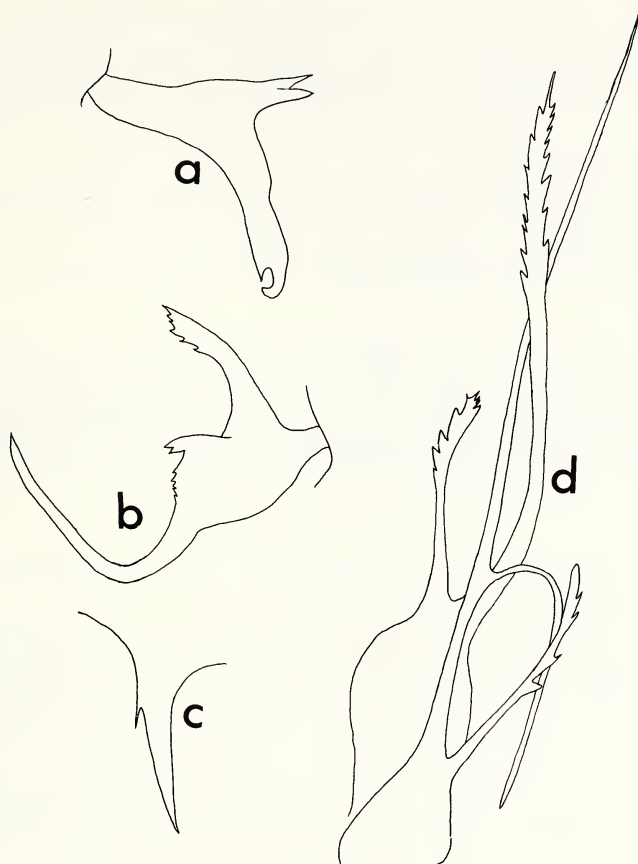


Fig. 1. a-d. Male genitalia of *Reuteria craigi*. a. Left paramere. b. Right paramere. c. Tergal process. d. Spiculae of vesica.

Legs: pale, femora tinged with green, base of hind tibiae with black spot. Genitalia: Figure 1.

Female: length 3.85 (range of 6 paratypes, 3.85–4.15), width 1.47 (1.47–1.58). Head: width 0.60 (0.60–0.64), vertex 0.36 (0.33–0.36). Rostrum: 1.18 (1.18–1.27). Antennae: I, 0.40 (0.36–0.44); II, 1.24 (1.24–1.38); III, 1.04 (0.98–1.15); IV, 0.64 (0.60–0.67). Pronotum: length 0.47 (0.45–0.51), width at base 0.93 (0.93–1.04). Similar to male in color, markings and pubescence.

Holotype. Male: Missouri, Boone Co., Ashland Wildlife Area, 12-VI-1986, R. L. Blinn coll., taken on *Acer saccharum* (USNM).

Paratypes. 6 males, 5 females, same data as for holotype (EMUM, NCSU, RLB, USNM); 1 male, 1 female, same data as for holotype, 18-VI-1986 (EMUM); 1 male, Missouri, Boone Co., Columbia, 20-VI-1986, R. L. Blinn coll., taken at blacklight (EMUM); 1 male, Missouri, Boone Co., Columbia, 25-VI-1986, R. L. Blinn coll., taken on *Acer saccharum* (EMUM).

Etymology. This species is named in honor of Dr. Wilfred S. Craig, Department of Entomology, University of Missouri, Columbia, who has done much to increase our knowledge of the insects of Missouri and foster my interest in entomology.

Discussion. Henry's (1976) key is modified to include *craigi* as follows:

- 6. Left arm of right clasper long, slender, curved upward; tergal process slender with lateral branch spine-like 6a
- Left arm of right clasper short and stout; tergal process short, stout, without spine-like lateral projection *irrorata* (Say)
- 6a. Left arm of left clasper unbranched, curved ventrad *wheeleri* Henry
- Left arm of left clasper bifurcate, straight *craigi*, n. sp.

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LITERATURE CITED

- Henry, T. J. 1976. Review of *Reuteria* Puton 1875, with descriptions of two new species (Hemiptera: Miridae). Entomol. News 87:61-74.

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